

Application no. 09/516,859  
Amdt. dated April 1, 2004  
Reply to Office Action of June 18, 2004

**Amendment to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**Claim 1 (previously presented):** A method for remapping packet priority in a data communication switch having a plurality of ports, comprising:

receiving a packet including a first priority value on a first port;

determining a virtual trunk value based on a plurality of values, the plurality of values including a VLAN identifier;

determining a second priority value based on the first priority value and the virtual trunk value; and

transmitting the packet including the second priority value on a second port.

**Claim 2 (original):** The method according to claim 1, wherein the plurality of values includes an identifier of the first port.

**Claim 3 (canceled)**

**Claim 4 (currently amended):** The method according to claim 1, wherein the VLAN identifier is included in the packet as received.

**Claims 5-6 (canceled)**

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**Claim 7 (original):** The method according to claim 1, wherein the step of determining the virtual trunk value includes reducing the plurality of values to a smaller-bit value and using the smaller-bit value in a table look-up.

**Claim 8 (previously presented):** A method for remapping packet priority in a data communication switch having a plurality of ports, comprising:  
receiving a packet including a first priority value on a first port;  
determining a second priority value based on the first priority value and a plurality of other values including an identifier of the first port and a VLAN identifier; and  
transmitting the packet including the second priority value on a second port.

**Claim 9 (cancelled)**

**Claim 10 (currently amended):** The method according to claim 8\_[[9]], wherein the VLAN identifier is included in the packet as received.

**Claim 11-12 (cancelled)**

**Claim 13 (previously presented):** A network interface for a data communication switch, comprising:  
an access controller having a port for receiving a packet including a first priority value; and  
a switching engine coupled to the access controller for receiving the packet from the access controller, for

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transmitting a plurality of values including a VLAN identifier to a first element in response to the packet, for receiving a virtual trunk identifier from the first element in response to the plurality of values including the VLAN identifier, for transmitting the virtual trunk identifier and the first priority value to a second element, for receiving a second priority value from the second element in response to the virtual trunk identifier and the first priority value and for transmitting the packet including the second priority value.

**Claim 14 (original):** The network interface according to claim 13, wherein the plurality of values includes an identifier of the port.

**Claim 15 (original):** The network interface according to claim 13, wherein the packet as received at the access controller includes a VLAN identifier.

**Claim 16 (canceled):**

**Claim 17 (original):** A network interface for a data communication switch, comprising:

an access controller having a port for receiving a packet including a first priority value and a VLAN identifier; and

a switching engine coupled to the access controller for receiving the packet from the access controller, for consulting a plurality of databases to resolve a second priority value from a plurality of values including an identifier of the port, the VLAN identifier and the first

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priority value and for transmitting the packet including the second priority value.

**Claim 18 (previously presented):** The network interface of claim 17, wherein the identifier of the port is a virtual port identifier derived from a physical port identifier.